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Search Results - Record(s) 1 through 10 of 14 returned.

☐ 1. Document ID: US 20050089682 A1

AB: A laminate film comprising a polyetheramine resin-containing layer on a first polyolefin resin-containing layer or a first polyethylene terephthalate resin-containing layer is disclosed. The laminate film could further have additional layers such as a second polyolefin resin-containing layer, a second polyethylene terephthalate resin-containing layer, a metal layer or combinations thereof.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Des

☐ 2. Document ID: US 20040058603 A1

AB: The present invention relates generally to a laminated tarp and a method of making this laminate. More particularly, the present invention relates to a laminated tarp containing multiple layers, including a fabric layer sandwiched between two layers of polymeric material comprising a vinyl (co)polymer and a polyurethane material. This laminated tarp can also include a thermosetting adhesive layer between the polyurethane material and the fabric layer, as well as a heat-sealable or weldable coating over the polyurethane material and/or over the vinyl (co)polymer layer. Also described is a method for making the laminated tarp.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Des

☐ 3. Document ID: US 20030060112 A1

AB: An absorbent material having substantially improved structural stability in the dry and wet states. The absorbent materials are significantly less susceptible to handling losses of absorbent gelling particles during manufacturing operations. The absorbent material also is not subject to shifting of the absorbent gelling particles during or after swelling by fluids. The absorbent material comprises absorbent gelling particles comprising (a) a water-insoluble absorbent hydrogel-forming polymer; (b) a polycationic polymer bonded to the absorbent gelling particles at the surface thereof; (c) glue microfibers dispersed in the absorbent gelling particles; and (d) a carrier layer bonded to the absorbent gelling particles through the glue microfibers. The invention further relates to a method of making the absorbent materials, and the absorbent articles comprising the absorbent materials.

4. Document ID: US 20030027474 A1

AB: A laminated composite fabric material used for example in the manufacture of automobile air bags has at least one thermoplastic coating layer that is pressure laminated to a pre-treated fabric using an adhesive. The fabric, pre-treated with a curing agent such as an alkyl ether amine, resists penetration by the adhesive, resulting in a softer, more pliable composite fabric. The composite fabric also optionally includes a layer comprising a silicone polyurethane copolymer or acrylic cross-linked with a blocked isocyanate, which functions as a non-stick coating. The invention also relates to a method for manufacturing a laminated composite fabric.

5. Document ID: US 20020161123 A1

AB: Polyolefin fibers, filaments and fabrics made therefrom which comprise a melt blend which comprises

(A) a polyolefin; and

(B) at least one polyetheresteramide which contains aromatic diol-derived sections,

exhibit excellent durable dyeability. The fabrics are useful in woven garments, carpeting, furniture and automobile upholstery, woven industrial fabrics, non-woven absorbents used in disposable diapers, non-woven garments including disposable medical garments, filter media, synthetic paper and the like.

6. Document ID: US 20020147273 A1

AB: The present invention relates to a fiber produced form a composition comprising at least one hydrogenated block copolymer and, optionally, at least one other polymer selected from the group consisting of a reactive tailored liquid polyurethane, an elastomeric or sulfonated ethylene/vinyl aromatic interpolymer, an elastomeric ethylene/C.sub.3-C.sub.20 .alpha.-olefin interpolymer, an C.sub.3-C.sub.20 .alpha.-olefin/conjugate- d diene interpolymer, an elastic polypropylene polymer, an enhanced polypropylene polymer, an elastomeric thermoplastic

polyurethane, an elastic copolyester, a partially hydrogenated block copolymer, an elastic polyamide, a hydroxyl functionalized polyether (or polyetheramine), a styrene/conjugated diene interpolymer, and an elastomeric metallocene-catalyzed synthetic polymer or a blend or formulated system thereof.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Des

7. Document ID: US 6908528 B2

AB: A laminated composite fabric material used for example in the manufacture of automobile air bags has at least one thermoplastic coating layer that is pressure laminated to a pre-treated fabric using an adhesive. The fabric, pre-treated with a curing agent such as an alkyl ether amine, resists penetration by the adhesive, resulting in a softer, more pliable composite fabric. The composite fabric also optionally includes a layer comprising a silicone polyurethane copolymer or acrylic cross-linked with a blocked isocyanate, which functions as a non-stick coating. The invention also relates to a method for manufacturing a laminated composite fabric.

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Des

8. Document ID: US 6777082 B2

AB: The present invention relates to a fiber produced form a composition comprising at least one hydrogenated block copolymer and, optionally, at least one other polymer selected from the group consisting of a reactive tailored liquid polyurethane, an elastomeric or sulfonated ethylene/vinyl aromatic interpolymer, an elastomeric ethylene/C.sub.3 -C.sub.20 .alpha.-olefin interpolymer, an C.sub.3 -C.sub.20 .alpha.-olefin/conjugated diene interpolymer, an elastic polypropylene polymer, an enhanced polypropylene polymer, an elastomeric thermoplastic polyurethane, an elastic copolyester, a partially hydrogenated block copolymer, an elastic polyamide, a hydroxyl functionalized polyether (or polyetheramine), a styrene/conjugated diene interpolymer, and an elastomeric metallocene-catalyzed synthetic polymer or a blend or formulated system thereof.

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Des

9. Document ID: US 6730387 B2

AB: An absorbent material having substantially improved structural stability in the dry and wet states. The absorbent materials are significantly less susceptible to handling losses of absorbent gelling

particles during manufacturing operations. The absorbent material also is not subject to shifting of the absorbent gelling particles during or after swelling by fluids. The absorbent material comprises absorbent gelling particles comprising (a) a water-insoluble absorbent hydrogel-forming polymer; (b) a polycationic polymer bonded to the absorbent gelling particles at the surface thereof; (c) glue microfibers dispersed in the absorbent gelling particles; and (d) a carrier layer bonded to the absorbent gelling particles through the glue microfibers. The invention further relates to a method of making the absorbent materials, and the absorbent articles comprising the absorbent materials.

☐ 10. Document ID: US 6679754 B2

AB: Polyolefin fibers, filaments and fabrics made therefrom which comprise a melt blend which comprises (A) a polyolefin; and (B) at least one polyetheresteramide which contains aromatic diol-derived sections,

exhibit excellent durable dyeability. The fabrics are useful in woven garments, carpeting, furniture and automobile upholstery, woven industrial fabrics, non-woven absorbents used in disposable diapers, non-woven garments including disposable medical garments, filter media, synthetic paper and the like.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw. Des

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L3 and propylene	14

Display Format: AB Change Format

Previous Page Next Page Go to Doc#

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Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 11 through 14 of 14 returned.

☐ 11. Document ID: US 6589621 B1

AB: Compositions comprising a blend of an inorganic base, an organic base, a monofunctional organic nucleophile or a multifunctional organic nucleophile and a thermoplastic hydroxy-functionalized polyetheramine can be formed into films and laminate structures by using conventional extrusion techniques. Containers and other molded parts can be fabricated from the films or laminate structures by using conventional fabricating techniques for thermoplastic polymers such as compression molding, injection molding, extrusion, thermoforming, blow molding and solvent casting.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Des

☐ 12. Document ID: US 6407225 B1

AB: Compositions comprising a polysaccharide and a hydroxy-functional polyester are prepared by mixing the hydroxy-functional polyester and polysaccharide, modified polysaccharide or a naturally-occurring fiber or particulate filler and, optionally, other additives in a intensive mixer at a temperature and for a time sufficient to provide an intimate, well-dispersed mixture of the components.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Des

☐ 13. Document ID: US 6146574 A

AB: This invention concerns a composition comprising a blend of polyolefin with the reaction of a functionalized polyolefin and polyetheramine in which the polyetheramine is grafted into the functionalized polyolefin in a customary mixing apparatus. A process for producing the reaction product of functionalized polypropylene and polyetheramine by melting with polypropylene in a customary mixing apparatus is also disclosed. Blends of the present invention are advantageously useful to prepare paintable automotive body parts. This invention further includes dyeable polyolefin compositions containing the reaction product of functionalized polyolefin and polyetheramine. Dyeable polyolefin fibers, including polypropylene fibers, are disclosed, which may be made by melt spinning, and which may be employed to make woven and non-woven fabric.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Des

☐ 14. Document ID: US 5962093 A

AB: A laminate structure comprises one or more layers of an organic polymer and one or more layers of a hydroxy-functionalized polyetheramine, wherein the hydroxy-functionalized polyetheramine layer is adhered directly to a contiguous organic polymer layer without an adhesive layer therebetween. The hydroxy-functionalized polyetheramine is prepared by reacting (1) a difunctional amine with (2) a diglycidyl ether or a diepoxy-functionalized poly(alkylene oxide) under conditions sufficient to cause the amine moieties to react with the epoxy moieties to form a polymer backbone having amine linkages, ether linkages and pendant hydroxyl moieties and then treating the reaction product with a monofunctional nucleophile which is not a primary or secondary amine.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Des

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L3 and propylene	14

Display Format: AB Change Format

Previous Page Next Page Go to Doc#

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
60531973	Not Issued	159	12/24/2003	HIGH OXYGEN TRANSMISSION BIAXIALLY ORIENTED FILM WITH IMPROVED TENSILE PROPERTIES	CHANG, KEUNSUK P.
60507090	Not Issued	159	10/01/2003	POLYPROPYLENE MULTI-LAYER BARRIER FILMS	CHANG, KEUNSUK P.
60434402	Not Issued	159	12/19/2002	HIGH OXYGEN TRANSMISSION BIAXIALLY ORIENTED POLYPROPYLENE FILM	CHANG, KEUNSUK P.
60415757	Not Issued	159	10/04/2002	BIAXIALLY ORIENTED POLYOLEFIN FILM FOR COLD SEAL APPLICATION	CHANG, KEUNSUK P.
60357837	Not Issued	159	02/21/2002	BIAXIALLY ORIENTED POLYPROPYLENE HIGH BARRIER METALLIZED FILM FOR PACKAGING	CHANG, KEUNSUK P.
60354266	Not Issued	159	02/06/2002	POLYOLEFIN OIL RESISTANT FILM USING HIGH ISOTACTIC CONTENT POLYPROPYLENE	CHANG, KEUNSUK P.
60330088	Not Issued	159	10/19/2001	DURABLE HIGH BARRIER METALLIZED POLYPROPYLENE FILM	CHANG, KEUNSUK P.
60221510	Not Issued	159	07/28/2000	BIAXIALLY ORIENTED POLYPROPYLENE METALLIZED FILM FOR PACKAGING	CHANG, KEUNSUK P.
60219011	Not Issued	159	07/19/2000	BIAXIALLY ORIENTED POLYPROYLENE METALLIZED FILM FOR PACKAGING	CHANG, KEUNSUK P.

60218044	Not Issued	159	07/13/2000	BIAXIALLY ORIENTED POLYPROPYLENE METALLIZED FILM FOR PACKAGING	CHANG, KEUNSUK P.
60111598	Not Issued	159	12/02/1998	COLD SEAL RELEASE BIAXIALLY ORIENTED POLYPROPYLENE FILM FOR PACKING WITH STABLE RELEASE PROPERTIES	CHANG, KEUNSUK P.
60110578	Not Issued	159	12/02/1998	BIAXIALLY ORIENTED POLYPROPYLENE SLIP FILM FOR PACKAGING WITH STABLE COEFFICIENT	CHANG, KEUNSUK P.
11107928	Not Issued	020	04/18/2005	MULTI-LAYER BARRIER FILM STRUCTURE	CHANG, KEUNSUK P.
11066776	Not Issued	041	02/28/2005	BIAXIALLY ORIENTED POLYPROPYLENE HIGH BARRIER METALLIZED FILM FOR PACKAGING	CHANG, KEUNSUK P.
11052245	Not Issued	020	02/08/2005	SEALABLE BIAXIALLY ORIENTED POLYPROPYLENE FILM FOR PACKAGING	CHANG, KEUNSUK P.
11015785	Not Issued	030	12/20/2004	HIGH OXYGEN TRANSMISSION BIAXIALLY ORIENTED FILM WITH IMPROVED TENSILE PROPERTIES	CHANG, KEUNSUK P.
10954023	Not Issued	030	09/30/2004	POLYPROPYLENE MULTI-LAYER BARRIER FILMS	CHANG, KEUNSUK P.
10738984	Not Issued	030	12/19/2003	HIGH OXYGEN TRANSMISSION BIAXIALLY ORIENTED POLYPROPYLENE FILM	CHANG, KEUNSUK P.
10690709	Not Issued	030	10/23/2003	MULTI-LAYER BARRIER FILM STRUCTURE	CHANG, KEUNSUK P.
10678652	Not Issued	020	10/06/2003	BIAXIALLY ORIENTED POLYOLEFIN FILM FOR COLD SEAL APPLICATION	CHANG, KEUNSUK P.
10369136	Not Issued	120	02/20/2003	BIAXIALLY ORIENTED POLYPROPYLENE HIGH BARRIER METALLIZED FILM FOR PACKAGING	CHANG, KEUNSUK P.
10357395	6844078	150	02/04/2003	POLYOLEFIN OIL RESISTANT FILM USING HIGH ISOTACTIC CONTENT POLYPROPYLENE	CHANG, KEUNSUK P.

10270734	Not Issued	041	10/16/2002	DURABLE HIGH BARRIER METALLIZED POLYPROPYLENE FILM	CHANG, KEUNSUK P.
09921322	6790524	150	08/02/2001	BIAXIALLY ORIENTED POLYPROPYLENE METALLIZED FILM FOR PACKAGING	CHANG, KEUNSUK P.
09820782	6764752	150	03/30/2001	BIAXIALLY ORIENTED POLYPROPYLENE METALLIZED FILM FOR PACKAGING	CHANG, KEUNSUK P.
09715013	6916526	150	11/20/2000	BIAXIALLY ORIENTED POLYPROPYLENE METALLIZED FILM FOR PACKAGING	CHANG, KEUNSUK P.
09383731	6503611	150	08/26/1999	COLD SEAL RELEASE BIAXIALLY ORIENTED POLYPROPYLENE FILM FOR PACKAGING WITH STABLE RELEASE PROPERTIES	CHANG, KEUNSUK P.
09383724	6902822	150	08/26/1999	BIAXIALLY ORIENTED POLYPROPYLENE SLIP FILM FOR PACKAGING WITH STABLE COEFFICIENT OF FRICTION PROPERTIES	CHANG, KEUNSUK P.
07827314	5248535	150	01/29/1992	RELEASE SHEET	CHANG, KEUNSUK P.
07812496	5232756	150	12/23/1991	RELEASE FILM WITH REDUCED TRANSFERABLE SILICONE MATERIAL	CHANG, KEUNSUK P.

Inventor Search Completed: No Records to Display.

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